Mice homozygous for this mutation are viable and fertile although about 65% of homozygous mice die by 4 weeks of age unless maintained on allopurinol. Homozygous mice show severe hyperuricemia and urate nephropathy. These mice may serve as animal models for hyperuricemia and its related nephropathy in humans.

Donating Investigator
Dr. Allan Bradley, Baylor College of Medicine

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Uox</strong>&lt;sub&gt;tm1Bay&lt;/sub&gt;</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td><strong>Uox</strong></td>
<td>urate oxidase</td>
</tr>
</tbody>
</table>

RESEARCH APPLICATIONS

Metabolism Research

BASE PRICE
Starting at:
Mice homozygous for this mutation are viable and fertile although about 65% of homozygous mice die by 4 weeks of age unless maintained on allopurinol. Homozygous mice show severe hyperuricemia and urate nephropathy. These mice may serve as animal models for hyperuricemia and its related nephropathy in humans.
Genotyping Protocols
Standard PCR: Uox
Genotyping resources and troubleshooting

Breeding Considerations
When held in a live colony, this strain is maintained by homozygous sibling matings. The survival rate of homozygous mice can be improved with the administration of an Allopurinol therapy protocol.

Additional Breeding and Husbandry Support

Citation
When using the B6;129S7-Uox<sup>tm1Bay</sup>/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #002223 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

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Pricing & Availability

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

<table>
<thead>
<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or wildtype for Uox&lt;sup&gt;tm1Bay&lt;/sup&gt;</td>
<td>$2,854.50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RELATED PRODUCTS AND SERVICES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frozen Mouse Embryo</td>
</tr>
<tr>
<td>B6;129S7-Uox&lt;sup&gt;tm1Bay&lt;/sup&gt;/J</td>
</tr>
</tbody>
</table>
PAYMENT TERMS AND CONDITIONS

Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

THE JACKSON LABORATORY'S GENOTYPE PROMISE

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. Therefore, we cannot guarantee a strain's phenotype will meet all expectations. To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee breeding performance and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

QUESTIONS ABOUT TERMS OF USE

ADDITIONAL USE RESTRICTIONS APPLY

Use of MICE by companies or for-profit entities requires a license prior to shipping.

LICENSING INFORMATION

Phone: 207-288-6470
Email: TechTran@jax.org

Related Strains

- All
- By Allele
- By Gene
- By Collection